

EAST Search History**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|-----------------|------------------|---------|------------------|
| L5 | 4752 | (347/172,174,175,100,102,113,114,115).cols. | US-PGPUB; USPAT | ADJ | ON | 2010/08/14 14:20 |
| L6 | 5415 | (347/172,174,175,100,102,113,114,115,221,222,197).cols. | US-PGPUB; USPAT | ADJ | ON | 2010/08/14 15:12 |
| L7 | 21 | 6 and ((oil near3 composition) same (water near3 composition)) | US-PGPUB; USPAT | ADJ | ON | 2010/08/14 15:13 |
| L8 | 0 | 6 and (((oil near3 composition) same (water near3 composition)) near3 [layer\$5]) | US-PGPUB; USPAT | ADJ | ON | 2010/08/14 15:14 |
| L9 | 0 | 6 and (((oil near3 composition) same (water near3 composition)) near10 [layer\$5]) | US-PGPUB; USPAT | ADJ | ON | 2010/08/14 15:14 |
| L10 | 19 | 7 and (layer\$5 or stack\$4) | US-PGPUB; USPAT | ADJ | ON | 2010/08/14 15:16 |
| L11 | 72 | 6 and (((multi color\$5) or (different color\$5)) near9 ((prevent\$5 or suppress\$4) near3 (bleed\$5))) | US-PGPUB; USPAT | ADJ | ON | 2010/08/14 15:18 |
| L12 | 62 | 6 and (((multi color\$5) or (different color\$5)) near6 ((prevent\$5 or suppress\$4) near3 (bleed\$5))) | US-PGPUB; USPAT | ADJ | ON | 2010/08/14 15:18 |
| L13 | 0 | 6 and (((multi color\$5) or (different color\$5)) near6 ((prevent\$5 or suppress\$4) near3 (bleed\$5) near3 (solvent))) | US-PGPUB; USPAT | ADJ | ON | 2010/08/14 15:41 |
| L14 | 0 | ((three dimensional pattern) and (((multi color\$5) or (different color\$5)) near6 ((prevent\$5 or suppress\$4) near3 (bleed\$5) near3 (solvent)))) | US-PGPUB; USPAT | ADJ | ON | 2010/08/14 15:42 |
| L15 | 0 | ((recording medium) and (((multi color\$5) or (different color\$5)) near6 ((prevent\$5 or suppress\$4) near3 (bleed\$5) near3 (solvent)))) | US-PGPUB; USPAT | ADJ | ON | 2010/08/14 15:42 |
| L16 | 0 | ((recording medium) and (((multi color\$5) or (different color\$5)) near6 (((prevent\$5 or suppress\$4) near3 (bleed\$5)) near6 (solvent)))) | US-PGPUB; USPAT | ADJ | ON | 2010/08/14 15:43 |
| L17 | 0 | (((multi color\$5) or (different color\$5)) near6 (((prevent\$5 or suppress\$4) near3 (bleed\$5)) near6 (solvent))) | US-PGPUB; USPAT | ADJ | ON | 2010/08/14 15:43 |
| L18 | 17 | 6 and (((prevent\$5 or suppress\$4) near3 (bleed\$5)) near6 (solvent)) | US-PGPUB; USPAT | ADJ | ON | 2010/08/14 15:44 |
| L19 | 0 | 6 and (((((prevent\$5 or suppress\$4) near3 (bleed\$5)) near6 (solvent)) near6 (layer or stack))) | US-PGPUB; USPAT | ADJ | ON | 2010/08/14 15:46 |

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|-----|--------|---|------------------------|-----|----|------------------|
| L20 | 0 | 6 and (((prevent\$5 or suppress\$4) near3 (bleed\$5)) near6 (solvent)) near6 (layer\$5 or stack\$5)) | US-PGPUB; USPAT | ADJ | ON | 2010/08/14 15:46 |
| L21 | 5 | ((US-20060281870-\$ or US-20030122889-\$ or US-20020180854-\$ or US-20050027037-\$).did. or (JP-2003345828-\$).did. | US-PGPUB; JPO | ADJ | ON | 2010/08/14 15:49 |
| L22 | 1 | 21 and (bleed\$5) | US-PGPUB; USPAT | ADJ | ON | 2010/08/14 15:49 |
| L23 | 18 | ((image forming) or ("3" adj Dimensional adj (image or pattern)) or (Three adj Dimensional adj (image or pattern))) and (((multi color\$5) or (different color\$5)) near6 ((prevent\$5 or suppress\$4) near3 (bleed\$5))) | US-PGPUB; JPO | ADJ | ON | 2010/08/14 16:06 |
| L24 | 17 | ((image forming) or ("3" adj Dimensional adj (image or pattern)) or (Three adj Dimensional adj (image or pattern))) and ((solvent) near6 ((prevent\$5 or suppress\$4) near3 (bleed\$5))) | US-PGPUB; JPO | ADJ | ON | 2010/08/14 16:13 |
| L25 | 9 | ((image forming) or ("3" adj Dimensional adj (image or pattern)) or (Three adj Dimensional adj (image or pattern))) and ((solvent) near3 ((prevent\$5 or suppress\$4) near3 (bleed\$5))) | US-PGPUB; JPO | ADJ | ON | 2010/08/14 16:13 |
| L26 | 0 | ((image forming) or ("3" adj Dimensional adj (image or pattern)) or (Three adj Dimensional adj (image or pattern))) and ((solvent) near3 (color\$4) near3 ((prevent\$5 or suppress\$4) near3 (bleed\$5))) | US-PGPUB; JPO | ADJ | ON | 2010/08/14 16:22 |
| L27 | 9 | ((image forming) or ("3" adj Dimensional adj (image or pattern)) or (Three adj Dimensional adj (image or pattern))) and ((solvent) near9 (color\$4) near9 ((prevent\$5 or suppress\$4) near3 (bleed\$5))) | US-PGPUB; JPO | ADJ | ON | 2010/08/14 16:22 |
| L28 | 489 | ((KOICHI) near2 (SATO)).INV. | US-PGPUB; USPAT; USCCR | ADJ | ON | 2010/08/14 16:23 |
| L29 | 54 | 28 and ((image forming) or ("3" adj Dimensional adj (image or pattern)) or (Three adj Dimensional adj (image or pattern))) | US-PGPUB; JPO | ADJ | ON | 2010/08/14 16:24 |
| L30 | 1 | JP"02307731" | US-PGPUB; JPO | ADJ | ON | 2010/08/14 16:24 |
| L31 | 1 | 29 and ((prevent\$5 or suppress\$4) near3 (bleed\$5)) | US-PGPUB; USPAT | ADJ | ON | 2010/08/14 16:27 |
| L32 | 1 | 28 and ((prevent\$5 or suppress\$4) near3 (bleed\$5)) | US-PGPUB; USPAT | ADJ | ON | 2010/08/14 16:28 |
| L33 | 36 | 28 and ((bleed\$5)) | US-PGPUB; USPAT | ADJ | ON | 2010/08/14 16:28 |
| L34 | 244808 | ((image forming) or ("3" adj Dimensional adj (image or pattern)) or (Three adj Dimensional adj (image or pattern))) | US-PGPUB; JPO | ADJ | ON | 2010/08/14 16:40 |
| L35 | 2 | 34 and (((stack\$4 or layer\$4) near3 ((different or multi\$5) near3 (color\$4))) near5 (bleed\$5)) | US-PGPUB; JPO | ADJ | ON | 2010/08/14 16:41 |

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|-----|--------|---|------------------------|-----|----|------------------|
| L36 | 0 | 34 and (((nonpolar or nonionic or lipid or oil or fat) near3 liquid) same (((polar or ionic or water) near3 liquid)) near5 (bleed\$5)) | US-PGPUB; JPO | ADJ | ON | 2010/08/14 16:45 |
| L37 | 0 | 34 and (((nonpolar or nonionic or lipid or oil or fat) near3 liquid) same (((polar or ionic or water) near3 liquid)) near10 (bleed\$5)) | US-PGPUB; JPO | ADJ | ON | 2010/08/14 16:45 |
| L38 | 141126 | ((image forming) or ("3" adj Dimensional adj (image or pattern)) or (Three adj Dimensional adj (image or pattern))) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/08/14 16:45 |
| L39 | 0 | 38 and (((nonpolar or nonionic or lipid or oil or fat) near3 liquid) same (((polar or ionic or water) near3 liquid)) near10 (bleed\$5)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/08/14 16:45 |
| L40 | 407 | 38 and (((nonpolar or nonionic or lipid or oil or fat) near3 liquid) same (((polar or ionic or water) near3 liquid))) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/08/14 16:46 |
| L41 | 0 | 38 and (((nonpolar or nonionic or lipid or oil or fat) near3 liquid) same (((polar or ionic or water) near3 liquid)) same bleed\$5) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/08/14 16:46 |
| L42 | 5 | 38 and (((nonpolar or nonionic or lipid or oil or fat) near3 liquid) same (((polar or ionic or water) near3 liquid))) near10 (color\$5)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/08/14 16:46 |
| L43 | 3 | 38 and (((nonpolar or nonionic or lipid or oil or fat) near3 liquid) near6 (color\$5) same (((polar or ionic or water) near3 liquid) near6 color\$5))) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/08/14 16:54 |
| L44 | 350430 | ((image forming) or ("3" adj Dimensional adj (image or pattern)) or (Three adj Dimensional adj (image or pattern)) or (recording material) or (recording medium)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/08/14 16:58 |
| L45 | 569 | 44 and (((multi color\$5) or (different color\$5) or (colors)) near9 ((prevent \$5 or suppress\$4) near3 (bleed\$5))) | US-PGPUB; USPAT | ADJ | ON | 2010/08/14 16:59 |
| L46 | 513 | 44 and (((multi color\$5) or (different color\$5) or (colors)) near5 ((prevent \$5 or suppress\$4) near3 (bleed\$5))) | US-PGPUB; USPAT | ADJ | ON | 2010/08/14 16:59 |
| L47 | 121 | 46 and ((nonpolar or nonionic or lipid or oil or fat) near6 (polar or ionic or water)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/08/14 17:00 |
| L48 | 39 | "5,342,440" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/08/14 17:05 |
| L49 | 111 | ((stack\$5 or layer\$5) near3 (different modulus)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/08/14 17:14 |
| L50 | 3 | 44 and ((stack\$5 or layer\$5) near3 (different modulus)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/08/14 17:15 |
| L51 | 1401 | 44 and ((stack\$5 or layer\$5) near3 (modulus)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/08/14 17:16 |
| L52 | 58 | 44 and ((stack\$5 or layer\$5) near5 (differ\$5 near3 modulus)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/08/14 17:16 |
| L53 | 5 | (US-20060281870-\$ or US-20030122889-\$ or US-20020180854-\$ or US-20050027037-\$).did. or (JP-2003345828-\$).did. | US-PGPUB; JPO | ADJ | ON | 2010/08/14 17:28 |

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| S54 | 0 | "53 and ((stack\$5 or layer\$5) near5 (differ\$5 near3 modulus)) | US-PPGUB; USPAT; USOCR | ADJ | ON | 2010/08/14 17:28 |
| S55 | 1 | "5342440".pn. | US-PPGUB; USPAT | ADJ | ON | 2010/08/14 17:45 |
| S56 | 1 | "6464342".pn. | US-PPGUB; USPAT | ADJ | ON | 2010/08/14 17:45 |
| S57 | 0 | EP "243" "624" | US-PPGUB; USPAT; EPO | ADJ | ON | 2009/09/14 14:53 |
| S58 | 1 | EP "243624" | US-PPGUB; USPAT; EPO | ADJ | ON | 2009/09/14 14:53 |
| S59 | 0 | EP "285948" | US-PPGUB; USPAT; EPO | ADJ | ON | 2009/09/14 14:54 |
| S60 | 0 | EP285948 | US-PPGUB; USPAT; EPO | ADJ | ON | 2009/09/14 14:54 |
| S61 | 0 | EP "285948" | US-PPGUB; USPAT; EPO | ADJ | ON | 2009/09/14 14:54 |
| S62 | 1 | EP "285948" | US-PPGUB; USPAT; EPO; DERWENT | ADJ | ON | 2009/09/14 14:55 |
| S63 | 2 | WO "2004005362" | US-PPGUB; USPAT; EPO; DERWENT | ADJ | ON | 2009/09/14 14:55 |
| S64 | 1 | WO "2003027894" | US-PPGUB; USPAT; EPO; DERWENT | ADJ | ON | 2009/09/14 14:58 |
| S65 | 5 | EP "1357138" | US-PPGUB; USPAT; EPO; DERWENT | ADJ | ON | 2009/09/14 14:58 |
| S66 | 1 | WO "03074575" | US-PPGUB; USPAT; EPO; DERWENT | ADJ | ON | 2009/09/15 11:00 |
| S67 | 2 | "5059266".pn. | US-PPGUB; USPAT; EPO; DERWENT | ADJ | ON | 2009/09/15 11:01 |
| S68 | 2 | "20070063371" | US-PPGUB; USPAT; EPO; DERWENT | ADJ | ON | 2009/09/15 11:12 |

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| S13 | 5 | EP "1243624" | US-PGPUB; USPAT; EPO; DERWENT | ADJ | ON | 2009/09/15 11:18 |
| S14 | 1 | EP "243624" | US-PGPUB; USPAT; EPO | ADJ | ON | 2009/09/15 11:26 |
| S15 | 1 | EP "285948" | US-PGPUB; USPAT; EPO; DERWENT | ADJ | ON | 2009/09/15 11:26 |
| S16 | 2 | WO "2004005362" | US-PGPUB; USPAT; EPO; DERWENT | ADJ | ON | 2009/09/15 11:26 |
| S17 | 1 | WO "2003027894" | US-PGPUB; USPAT; EPO; DERWENT | ADJ | ON | 2009/09/15 11:26 |
| S18 | 5 | EP "1357138" | US-PGPUB; USPAT; EPO; DERWENT | ADJ | ON | 2009/09/15 11:26 |
| S19 | 17 | S10 or S11 or S13 or S14 or S15 or S16 or S17 or S18 | US-PGPUB; USPAT; EPO; DERWENT | ADJ | ON | 2009/09/15 11:26 |
| S20 | 17 | S10 or S11 or S13 or S14 or S15 or S16 or S17 or S18 | US-PGPUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/09/15 11:26 |
| S21 | 2 | S20 and (different near2 color) | US-PGPUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/09/15 11:26 |
| S22 | 112 | ((storage modulus) same (loss modulus)) and recording medium | US-PGPUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/09/15 11:32 |
| S23 | 2 | (polyoxyalkylene) near2 (polyalkenyl ether) | US-PGPUB; USPAT | ADJ | ON | 2009/09/15 12:10 |
| S24 | 4 | (polyoxyalkylene) near6 (polyalkenyl ether) | US-PGPUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/09/15 12:10 |

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| S25 | 29 | (polyoxyalkylene) near6 (polyalkenyl) | US-PGPUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/09/15 12:11 |
| S26 | 24137 | record\$4 medium and image and ink jet | US-PGPUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/09/15 14:06 |
| S27 | 349 | S26 and (((3" or three) near3 dimensional) same (pattern\$4 or shap\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/09/15 14:08 |
| S28 | 0 | ((storage modulus) same (loss modulus) same loss ratio) and recording medium | US-PGPUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/09/15 15:35 |
| S29 | 47 | ((storage modulus) same (loss modulus) same ratio) and recording medium | US-PGPUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/09/15 15:35 |
| S30 | 2 | JP "2003345828" | US-PGPUB; USPAT; JPO; DERWENT | ADJ | ON | 2009/09/15 16:16 |
| S31 | 0 | JP "2003345828" | US-PGPUB; USPAT; JPO; DERWENT | ADJ | ON | 2009/09/15 16:18 |
| S32 | 0 | JP2003345828 | US-PGPUB; USPAT; JPO; DERWENT | ADJ | ON | 2009/09/15 16:18 |
| S33 | 2 | US "20060281870" | US-PGPUB; USPAT | ADJ | ON | 2009/09/15 16:19 |
| S34 | 0 | JP "2003345828" | US-PGPUB; USPAT | ADJ | ON | 2009/09/15 16:19 |
| S35 | 2 | JP "2003345828" | US-PGPUB; USPAT; JPO; DERWENT | ADJ | ON | 2009/09/15 16:20 |
| S36 | 1 | "10579093" | US-PGPUB; USPAT | ADJ | ON | 2010/02/20 14:45 |

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|-----|--------|--|-------------------------------|-----|----|------------------|
| S37 | 1 | US-5059266-\$,DID, OR EP-1243624-\$,DID, OR EP-124362492002-\$,DID, OR EP-1285948-\$,DID, OR EP-128594822003-\$,DID, OR EP-1357138-\$,DID, OR EP-1357138102003-\$,DID, OR WO-03074575-\$,DID, OR WO-0307457592003-\$,DID, OR WO-04005382-\$,DID, OR WO-0400538212004-\$,DID, | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/02/21 13:30 |
| S38 | 1 | "5059266",pn, OR "2003027894" OR "2002186288" OR "2003050364" OR "2003236343" OR "2005027037" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/02/21 13:32 |
| S39 | 0 | "2003027894" OR "2002186288" OR "2003050364" OR "2003236343" OR "2005027037" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/02/21 13:33 |
| S40 | 0 | "2003027894" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/02/21 13:33 |
| S41 | 472 | ((KOICHI) near2 (SATO)).INV. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/02/21 13:33 |
| S42 | 2 | "20020180854" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/02/21 16:06 |
| S43 | 2 | S42 and (block polymer) and (repeating unit) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/02/21 16:22 |
| S44 | 267763 | "41" and water and oil | US-PGPUB; USPAT | ADJ | ON | 2010/02/21 16:50 |
| S45 | 1444 | S44 and (ink near3 water) and (ink near3 oil) | US-PGPUB; USPAT | ADJ | ON | 2010/02/21 16:50 |
| S46 | 472 | ((KOICHI) near2 (SATO)).INV. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/02/21 16:50 |
| S47 | 16 | S46 and (ink near3 water) and (ink near3 oil) | US-PGPUB; USPAT | ADJ | ON | 2010/02/21 16:50 |
| S48 | 7 | S46 and ((ink near3 water) same (ink near3 oil)) | US-PGPUB; USPAT | ADJ | ON | 2010/02/21 16:58 |
| S49 | 2 | WO "2004005382" | US-PGPUB; USPAT; EPO; DERWENT | ADJ | ON | 2010/02/21 17:01 |
| S50 | 5 | (US-20030122889-\$ or US-20060281870-\$).did, or (US-6233424-\$).did, or (EP-1243624-\$).did, or (JP-2003345828-\$).did, | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2010/02/21 17:02 |
| S51 | 0 | S50 and ((ink near3 water) same (ink near3 oil)) | US-PGPUB; USPAT | ADJ | ON | 2010/02/21 17:02 |
| S52 | 44106 | ((three-dimensional article or image form\$4) and ink | US-PGPUB; USPAT | ADJ | ON | 2010/02/21 17:36 |

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| S53 | 777 | S52 and ((oil near3 ink) same (water near3 ink)) | US-PPGUB; USPAT | ADJ | ON | 2010/02/21 17:36 |
| S54 | 717 | S52 and (color and (oil near3 ink) same (water near3 ink)) | US-PPGUB; USPAT | ADJ | ON | 2010/02/21 17:37 |
| S55 | 717 | S53 and (color and (oil near3 ink) same (water near3 ink)) | US-PPGUB; USPAT | ADJ | ON | 2010/02/21 17:37 |
| S56 | 47 | S55 and ((block polymer) and (color and (oil near3 ink) same (water near3 ink))) | US-PPGUB; USPAT | ADJ | ON | 2010/02/21 17:38 |
| S57 | 0 | S52 and ((block polymer) and (color same (oil near3 ink) same (water near3 ink))) | US-PPGUB; USPAT | ADJ | ON | 2010/02/21 18:28 |
| S58 | 108 | S52 and ((block polymer) and (((oil or hydrophobic) near3 ink) same ((water or hydrophilic) near3 ink))) | US-PPGUB; USPAT | ADJ | ON | 2010/02/21 18:29 |
| S59 | 0 | JP "2003345828" | US-PPGUB; USPAT | ADJ | ON | 2010/02/21 18:49 |
| S60 | 1 | JP "2003345828" | JPO | ADJ | ON | 2010/02/21 18:49 |
| S61 | 0 | JP2003345828 | JPO | ADJ | ON | 2010/02/21 18:50 |
| S62 | 2 | "20050027037" | US-PPGUB; USPAT | ADJ | ON | 2010/02/21 18:51 |

EAST Search History (Interference)

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8/14/2010 5:52:58 PM

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